

Title (en)  
ANTIMICROBIAL PEPTIDE AND METHODS OF USE THEREOF

Title (de)  
ANTIMIKROBIELLES PEPTID UND ANWENDUNGSVERFAHREN DAFÜR

Title (fr)  
PEPTIDE ANTIMICROBIEN ET PROCEDES D'UTILISATION

Publication  
**EP 1617855 A4 20090624 (EN)**

Application  
**EP 04749358 A 20040310**

Priority  
• US 2004007139 W 20040310  
• US 45520603 P 20030310

Abstract (en)  
[origin: US2004224897A1] A method of preventing biofilm formation in an environment including the steps of administering to the environment an effective amount of a peptide having the amino acid sequence NH<sub>2</sub>-lys-lys-val-val-phe-lys-val-lys-phe-lys-CONH<sub>2</sub>. The method is useful in preventing the formation of biofilms in various environments including a home, workplace, laboratory, industrial environment, aquatic environment, animal body or human body. A method of inhibiting the growth of oral microorganisms including the steps of administering to an oral environment an effective amount of a peptide having the amino acid sequence NH<sub>2</sub>-lys-lys-val-val-phe-lys-val-lys-phe-lys-CONH<sub>2</sub>.

IPC 8 full level  
**A61K 38/00** (2006.01); **A61K 8/64** (2006.01); **A61K 38/08** (2019.01); **A61L 2/18** (2006.01); **A61L 2/22** (2006.01); **A61Q 11/00** (2006.01)

CPC (source: EP US)  
**A61K 8/64** (2013.01 - EP US); **A61K 38/08** (2013.01 - EP US); **A61L 2/18** (2013.01 - EP US); **A61L 2/22** (2013.01 - EP US); **A61Q 11/00** (2013.01 - EP US); **Y02A 50/30** (2017.12 - EP US)

Citation (search report)  
• [X] HONG S Y ET AL: "The effect of charge increased on the specifity and activity of a short antimicrobial peptide", PEPTIDES, ELSEVIER, AMSTERDAM, vol. 22, no. 10, 1 January 2001 (2001-01-01), pages 1669 - 1674, XP002989856, ISSN: 0196-9781  
• [PX] CONCANNON S P ET AL: "Susceptibility of oral bacteria to an antimicrobial decapeptide.", JOURNAL OF MEDICAL MICROBIOLOGY DEC 2003, vol. 52, no. Pt 12, December 2003 (2003-12-01), pages 1083 - 1093, XP002527007, ISSN: 0022-2615  
• See references of WO 2004101599A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2004224897 A1 20041111**; **US 7494980 B2 20090224**; AU 2004238769 A1 20041125; AU 2004238769 B2 20100708; CA 2518608 A1 20041125; CA 2518608 C 20140902; EP 1617855 A2 20060125; EP 1617855 A4 20090624; EP 1617855 B1 20150617; WO 2004101599 A2 20041125; WO 2004101599 A3 20050303

DOCDB simple family (application)  
**US 79551404 A 20040309**; AU 2004238769 A 20040310; CA 2518608 A 20040310; EP 04749358 A 20040310; US 2004007139 W 20040310